$$x+y=20$$
 $\frac{x}{2}=\frac{y}{3}$
 $\frac{3x}{6}=\frac{2y}{6}$
 $\frac{3x-2y=0}{6}$

Resolvenos per reducation

$$x+y=20$$
 (-3). $-3x-3y=-60$ ($3x-2y=0$ ($-5y=-60$; $y=\frac{-60}{-5}$; $y=\frac{-60$

$$x+y=20$$

 $x+12=20$ $x=20-12$; $x=8$

2 a)
$$3x+y=17$$
 Sustification $y=17-3x$ $-2x+3y=7$; $-2x+3(17-3x)=7$; $-2x+51-9x=7$; $-11x=-44$; $x=-\frac{44}{17-3}$; $x=4$ $y=17-3x$ $y=17-3x$

b)
$$2x+y=2$$
 (-2), $-4x-2y=-4$
 $6x+2y=16$ (Reducasin $-4x-2y=-4$
 $-4x-2y=-4$ ($2x+y=2$
 $6x+2y=16$ ($2\cdot 6+y=2$
 $2x=12$; $x=6$ $y=2-12$

REDUCCION

$$\begin{array}{c} x + y = 26 \\ 4x + 2y = 82 \end{array} \begin{pmatrix} -(-2) \\ 4x + 2y = 82 \end{pmatrix} - 2x - 2y = -52 \\ 4x + 2y = 82 \\ \hline 2x = 30 \\ \hline 15 + y = 26 \\ \hline y = 11 \end{array}$$

Hay 15 tortugas y 11 halvaves

Respondió 22 evestinues correctamente

(5)
$$X = billets de 56$$
 $y = billets de 106$
 $X + y = 11$
 $5x + 10y = 75$
 $5x + 10y = 75$
 $5x + 10y = 75$
 $5y = 20$
 $y = 4$
 $x = 11 - 4$
 $x = 11 - 4$

Hay 7 billetes de 5€ y 4 billetes de 10€